## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITI | ALS | ID N | D.   | DATE   |     |  |  |  |
|---------------------------|-------|-----|------|------|--------|-----|--|--|--|
| FEE DETERMINATION         |       |     |      |      |        |     |  |  |  |
| O.I.P.E. CLASSIFIER       |       |     | 21   |      | 2/12/  | 0/  |  |  |  |
| FORMALITY REVIEW          | 7     | •   | 92   |      | 0212   | 610 |  |  |  |
| RESPONSE FORMALITY REVIEW |       | A   |      | 67.6 | 05/15/ | 0/  |  |  |  |
|                           |       |     |      |      |        |     |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected '                 | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | l | Interference |
|   | (Through numeral) Canceled |   | Appeal       |
|   | Restricted                 | 0 | Objected     |

|          |                     |            |                         |          |           |         |           |              |              |          |              |          |     | . Res         |          |              |           |           |                |         |           |        |                |                |            |          |    | eu       |          |          |          |          |           |  | _        | _ |
|----------|---------------------|------------|-------------------------|----------|-----------|---------|-----------|--------------|--------------|----------|--------------|----------|-----|---------------|----------|--------------|-----------|-----------|----------------|---------|-----------|--------|----------------|----------------|------------|----------|----|----------|----------|----------|----------|----------|-----------|--|----------|---|
| Claim    | T                   |            |                         |          |           | Dat     | le        |              |              |          | _            |          | [   | Claim         |          | _            |           | _         | Da             | te      | _         |        |                |                | Cla        | aim      |    |          |          | _[       | ate      |          |           | _  |          | _ |
| Final    |                     | 2012       |                         |          |           |         |           |              |              |          |              |          |     | Final         |          |              |           |           |                |         |           |        |                |                | Final      | Original |    |          |          |          |          |          |           |  |          |   |
| N 1      | ıľ                  | ነዛ         |                         | 7        |           |         |           | Ť            | +            | 7        | 1            |          | Ī   | 5             | 1        |              | L         |           |                |         |           |        |                |                |            | 101      |    | $\Box$   |          |          |          |          | ].        | ightharpoonup                                    | $\bot$   | _ |
|          | ¥                   | M          |                         |          |           |         |           | T            |              |          |              |          |     | 5             |          |              |           |           |                |         | _         |        |                |                |            | 102      |    | 4        | $\perp$  | 4        | 4        | 4        | 1         | 4  | 4        | _ |
|          | 3                   | U          |                         |          |           |         |           | Γ            |              |          |              |          | Ĺ   | 5             |          | _            |           | L.        | ┖              |         | L         |        |                |                | L          | 103      |    | 4        |          | _        | $\perp$  | 4        | -+        | 4  | $\dashv$ | _ |
|          | 4 7                 | Z          |                         |          |           |         |           | Ţ            | Ţ            | $\Box$   |              |          | _   | 5             |          | 1            | <u> </u>  | L         | ╄              | ┡       | 1         | L      | Ш              | $\vdash$       | -          | 104      |    |          | +        | +        | +        | 4        | +         | +  | +        | _ |
|          | 5                   |            |                         | _        |           |         | L         | Ľ            | 1            | _        | 4            | 4        | L   | 5             | -        | ↓            | ╄         | -         |                |         | -         | L      |                | $\vdash$       | $\vdash$   | 105      |    |          | +        | $\dashv$ | +        | +        | +         | +  | +        | _ |
|          |                     | 4          | _                       |          | _         |         | 1_        | $\perp$      | 4            | 4        | 4            | 4        | -   | 5             |          | ╁            | ┼         | ╀┈        | +              | ╀       | -         | ├-     | $\vdash$       | Н              | $\vdash$   | 100      | _  | $\dashv$ | +        | +        | +        | +        | +         | +  | +        | _ |
|          | 4                   | ХĮ         | _                       | _        | _         |         | Ͱ         | +            | +            | $\dashv$ | $\dashv$     |          | ŀ   | 5             | _        | +            | ╁         | ╁         | +-             | +       | +-        | ┥      |                | $\vdash$       | ⊢          | 108      |    | -        | $\dashv$ | 十        | +        | +        | +         | $\dashv$   | +        | _ |
|          | 9                   | 4          |                         | -        | _         | ┝       | ╀         | ╫            | +            | +        | ᆉ            | $\dashv$ | ŀ   | 5             | _        | ╀╴           | ╁         | ╁╴        | ╁              | +       | ╁╴        |        | H              | H              | -          | 109      |    | _        | $\dashv$ | $\dashv$ | +        | 7        | _         | 十  | 十        |   |
|          | 0                   | ۲,         | 7                       |          | _         | ┝       | ╁         | +            | +            | -        | $\dashv$     | $\dashv$ | H   | 6             | _        | +            | ╁         | 1         | ╁              | +       | 1         | ┢      | $\vdash$       | П              |            | 110      |    |          | $\top$   | T        |          | 寸        | $\exists$ | 寸  | ヿ        | _ |
|          | Ť                   | ₹ű         | 7                       |          | _         | ┝       | $\vdash$  | ╁            | t            | $\dashv$ | $\dashv$     | ╡        | ŀ   | -   ē         |          | +            | ╁         | t         | t              | T       | t         | Г      | 1              | П              |            | 11       |    |          | 1        |          | T        | 7        |           | T  |          | _ |
|          | 2                   | - 1        | $\exists$               |          |           |         | t         | $\dagger$    | +            | 1        | _            | $\dashv$ | ŀ   | 6             | 2        | 十            | T         | T         | 1              | Τ       |           |        |                | П              |            | 112      | Ü  |          |          |          |          |          |           | $\Box$   | $\Box$   |   |
| 1        | 3                   | J          | $\equiv$                |          | Т         | T       | t         | ✝            | $\top$       | $\dashv$ | $\dashv$     |          | Ì   | 6             | 3        | $\top$       | 1         | T         | Τ              | 1       |           |        |                |                |            | 11       | 3  |          |          | $\Box$   |          |          |           |  |          | _ |
| 1        | #                   | V          | _                       |          | Г         | Γ       | T         | T            | 1            |          |              |          | Ī   | 6             | 4        | 1            | Ι         | Ι         | Ι              | Ι       |           |        |                |                |            | 11       |    |          | $\Box$   |          | $\Box$   | $\perp$  | _         | $\dashv$   | $\dashv$ |   |
| 17       | 5                   | 7          |                         |          |           |         | Т         | 1            |              |          |              |          | [   | 6             | _        |              | L         |           |                | $\perp$ | 1_        | L      | <u> </u>       | Ш              | Ļ          | 11       |    |          | _        | _        | _        | _        | _         | _  | 4        | _ |
| 2        |                     | V          |                         |          |           |         |           | I            |              |          |              |          | Į   | 6             |          |              | 1         | $\perp$   | ╧              | 1       | _         | ┺      | Ļ.,            | Н              | <u> </u>   | 11       |    |          | _        | _        | _        | -        | _         | $\dashv$   | -        | _ |
|          |                     | ₹          |                         |          |           |         |           | $\perp$      |              |          |              | _        | - 1 | 6             | _        | $\downarrow$ | $\perp$   | 4         | $\downarrow$   | ┸       | 1         | ┞-     | ↓              | Ш              |            | 11       |    |          |          |          | 4        | _        | $\dashv$  | $\dashv$   | $\dashv$ | _ |
|          | 8                   | V          |                         | _        | L         | L       | 1_        | 1            | 1            | _        | $\perp$      | _        | - 1 | $\overline{}$ | 8        | ┸            | 1         | 1         | 4              | $\bot$  | ╀         | 1      | ┶              | $\sqcup$       | -          | 11       | _  |          | -        |          | _        | -        | -         | $\dashv$   | $\dashv$ | _ |
| 4        | -                   | $\swarrow$ |                         | _        | L         | L       | ļ.        | 4.           | 4            | _        |              | _        | - 1 | _             | 9        | +            | +         | +         | 4              | +       | ╄         | ╄      | +              | Н              | F          | 11       | -  | -        |          | $\dashv$ |          |          | $\dashv$  | +  | $\dashv$ | _ |
|          | 20                  |            |                         |          | _         |         | L         | $\perp$      | $\perp$      | ·        |              |          | ļ   |               | 0        | ┵            | $\perp$   | 1         | ┸              | $\bot$  | $\perp$   | ┡      | 4_             | Ш              | <br> -     | 12       | -  |          | _        | _        |          |          |           | -  | $\dashv$ | _ |
|          | 21                  | L          |                         | _        | L         | L       | ┸         | $\perp$      | $\downarrow$ |          |              | _        |     |               | 11       |              | 1         | 1         | $\bot$         | 4       | $\perp$   | 1      | ļ.,            | $\vdash$       | -          | 12       | _  | _        | -        |          | _        | -1       | -         | $\dashv$   | $\vdash$ | _ |
|          | 22                  |            |                         |          | L         | L       | $\perp$   | 1            |              |          | i            | _        |     |               | 2        | _            | ┸         | 1         | <del> </del> - | +       | +         | ╁-     | $\bot$         | $\blacksquare$ | ⊢          | 12       |    | <u> </u> |          |          |          | $\dashv$ | $\dashv$  | $\dashv$   | $\vdash$ | - |
|          | 23                  |            |                         | <u> </u> | ŀ         | ↓_      | $\perp$   | 4            | 4            | _        |              | _        |     |               | 73       | +            | +         | 4-        | +              | +       | ╁         | ╄      | <del> </del> - | +              | -          | 12       | _  |          |          |          |          | $\dashv$ | -         | $\dashv$   | $\vdash$ | - |
| -        | 24                  | _          | _                       | <u> </u> | ┡         | ╀       | +         | +            | 4            |          |              | Н        |     |               | 74<br>75 | +            | +         | +         | +              | +       | ┿         | ╀      | +              | H              | $\vdash$   | 12       | -  | <u> </u> | $\vdash$ |          | _        | $\dashv$ | $\vdash$  | $\dashv$   |          | _ |
|          | 25                  | L          | -                       | -        | ⊢         | ╀       | ╁         | +            | _            | _        | Н            | -        |     |               | 6        | ┿            | +         | ╁         | +              | +       | +         | ╁      | +              | +              | H          | 12       | _  | -        | Н        |          |          | $\dashv$ |           | $\vdash$   | Н        | Γ |
|          | 26<br>27            | -          | -                       | ⊢        | ╀         | +       | +         | +            |              |          |              | _        |     | 1             | ᄽ        | +            | +         | ╁         | +              | +       | +         | ╁╴     | +              | +              | $\vdash$   | 12       |    | -        |          |          |          |          |           |  | П        | Γ |
|          | 28                  | -          | -                       | ┝        | -         | ┼╌      | +         | +            | -            | _        |              | $\dashv$ |     | _             | 8        | +            | ╁         | +         | +              | +       | +         | +      | +-             | +              | _ <u> </u> | 12       |    | ╁        | Н        |          | -        |          |           | $\Box$   | П        | Γ |
|          | 29                  | -          | ┝                       | $\vdash$ | ⊢         | ╁       | +         | +            | ᅱ            |          | $\vdash$     | _        |     |               | 9        | +            | +         | +         | ╅              | +       | +         | +-     | T              | $\forall$      |            | 12       |    | <u>├</u> |          |          |          |          |           | П  | П        | Γ |
|          | 30                  | -          | H                       | ┢        | ╁         | ╁       | $^{+}$    | +            | $\dashv$     |          |              | Н        |     | $\overline{}$ | 30       | +            | t         | +         | $^{\dagger}$   | +       | ╅         | T      | $\top$         | T              |            | 13       |    | _        | П        |          |          |          |           |  |          | Γ |
|          | 31                  | $\vdash$   | ┢                       | ┼-       | 1         | ╁       | +         | ┪            | 7            | _        |              | Н        |     |               | B1       | $\top$       | $\top$    | 1         | T              | T       | ✝         | T      | Τ              | $\Box$         |            | 13       | _  |          |          |          |          |          |           |  |          |   |
| -        | 32                  | H          | ┢                       | ╈        | T         | T       | +         | $^{\dagger}$ |              |          |              | П        |     |               | 32       | $\top$       | ↿         | $\top$    | 1              |         |           |        |                |                |            | 13       | 2  |          |          |          |          |          |           |  |          | L |
|          | 33                  |            | T                       | T        | T         | T       | 1         | T            | П            |          |              | П        |     |               | 33       |              |           | Ι         |                | Т       | I         | L      |                | $\prod$        |            | 13       |    |          |          | <u> </u> |          |          | _         | Ш  |          | L |
|          | 34                  | Γ          | T                       | Τ        | T         | Τ       | Ī         | T            |              |          |              |          |     |               | 34       |              | $\perp$   |           |                | $\perp$ | 丄         | ᆚ      | 1              |                | L          | 1:       |    | <u> </u> | Ш        | _        | _        |          |           |  | Ш        | L |
|          | 35                  |            |                         |          |           |         | I         | $\prod$      |              |          |              | Ш        |     |               | 35       | ┵            | $\perp$   | 1         | $\perp$        | $\bot$  | _         | 4      | 4              | Щ              | L          | 1:       |    | <u> </u> |          | <u> </u> | <u> </u> |          |           | $\vdash$   | Ш        | Ļ |
|          | 36                  | L          | L                       | L        | L         | $\perp$ | 1         | $\perp$      |              | L        | <u> </u>     | Ш        |     |               | 36       | _            | 4         | $\bot$    | 4              | 4       | +         | -      | $\bot$         | +              | -          | 13       | _  | ١-       |          |          |          | $\vdash$ | -         | ₩  | ⊣        | ⊦ |
|          | 37                  | 1          | L                       | <u> </u> | 1         | ┸       | 4         | 4            |              | ļ        | <u> </u>     | Ц        |     |               | 37       | 4            | 4         | +         | 4              | +       | +-        | +      | +              | +              | -          | 1:       |    | ┼        | H        | <u> </u> | -        | H        |           | $\vdash$   | $\vdash$ | ⊦ |
| L L      | 38                  | L          | ┞-                      |          | $\perp$   | ╁.      | 4         | 4            |              | L        | ┞            | Н        |     | $\vdash$      | 38       | -            | $\perp$   | +         | -+             | -       | +         | +      | ╁              | +              | -          | 13       | _  | ╁        | -        | ┝        | -        | -        | -         | -  | $\vdash$ | H |
|          | 39                  |            | <u> </u>                | -        | +         | +       | +         | 4            |              | -        | <del> </del> | Н        |     | -             | 89       | +            | +         | +         | -              | +       | +-        | +      | ╁              | +              | -          | 1,4      | _  | ╁╌       | ┢╌       | ├        | ⊢        |          | ├─        | ⊢  | $\vdash$ | t |
|          | 40                  |            | $oldsymbol{\downarrow}$ | $\perp$  | +         | +       | +         | $\dashv$     |              | $\vdash$ | <del> </del> | Н        |     |               | 90       | +            | +         | +         | +              | +       | +         | +-     | +              | +              | -          | _        | _  | ┢        | $\vdash$ | $\vdash$ | $\vdash$ | -        | $\vdash$  | -  | +-       | t |
|          | 41                  |            | 1                       | 4        | 1         | 1       | 4         | 4            |              |          | ┡            | Ш        |     |               | 91<br>92 | +            | +         | +         | +              | +       | +         | +      | +              | +-1            | -          | 11-      |    | $\vdash$ | ┼        | $\vdash$ | ├-       | -        | ⊢         | ├-   | +        | H |
| 1        | 42                  | $\perp$    | ╀                       | +        | +         | +       | +         | +            |              | <u> </u> | -            | Н        |     |               | 92<br>93 | +            | +         | +         | +              | +       | +         | +      | +              | +              | F          | - 1      | 13 | ╁╌       |          | -        | $\vdash$ | $\vdash$ | $\vdash$  | +-   | $\vdash$ | t |
|          | 43                  |            | ╀                       | +        | +         | +       | +         | $\dashv$     |              | -        | +            |          |     |               | 94       | +            | +         | +         | +              | +       | +         | +      | 十              | +              | -          |          | 4  | $\vdash$ | $\vdash$ | ╁╴       | t        | $\vdash$ | $\vdash$  | <del>                                     </del> | +        | t |
| $\vdash$ | 44<br>45            | 1          | $\vdash$                | +        | +         | +       | +         | $\dashv$     |              | ⊢        | ╀            | -        |     | $\vdash$      | 95       | +            | +         | +         | +              | +       | +         | 十      | +              | +              | . H        | +        | 15 | +        | +-       | 1        | +-       | Н        | 1         | $t^-$  | $t^-$    | t |
|          | 45<br>46            |            | ╁                       | +        | +         | +       | +         | +            | -            | $\vdash$ | ╁            | Н        |     |               | 96       | +            | +         | +         | +              | +       | +         | 十      | +              | $\forall$      |            | _        | 16 | t        | $\vdash$ | T        | †        | T        | T         | 1  | 十        | t |
|          | <del>40</del><br>47 |            | ╁╴                      | +        | +         | +       | +         | ┥            | _            | $\vdash$ | ╁            | $\vdash$ |     |               | 97       | +            | +         | +         | +              | +       | +         | +      | +              | +              |            |          | 47 | T        | Τ        | T        | T        | T        | T         | T  | T        | t |
|          | 47                  |            | ╁                       | +        | +         | +       | +         | $\dashv$     |              | H        | ۲            | $\vdash$ | l   |               | 98       | $\dashv$     | $\dagger$ | +         | +              | +       | +         | +      | 十              | +              |            |          | 48 | T        | T        | t        | T        |          |           |  | T        | T |
|          | 49                  |            | +                       | +        | $\dagger$ | +       | +         | -            |              | +-       | T            | 1        | 1   |               | 99       | +            | $\dashv$  | $\dagger$ | $\top$         | $\top$  | $\dagger$ | $\top$ | +              | $\top$         |            | 1        | 49 | 1        |          | L        |          |          |           |  | oxdot    | Ι |
|          | 50                  |            | +                       | +        | +         | +       | $\dagger$ | ᅥ            |              | t        | †            | †        | 1   |               | 100      | 1            | 1         | 7         | $\dashv$       | 十       |           | $\top$ | 丁              | T              |            | F        | 50 | L        | L        |          |          |          |           |  | oxdot    | Γ |

If more than 150 claims or 10 actions staple additional sheet here